

CLAIMS

1. A method for conveying information over a wireless interface in the form of a digitally encoded message, comprising the steps of:
 - providing a set of bits as a first piece of information to be transmitted,
 - 5 - applying a certain baseband signal processing method to process the bits to be transmitted,
 - providing a second piece of information to be transmitted and
 - selecting the baseband signal processing method from a set of allowed baseband signal processing methods in accordance with the provided second piece of
 - 10 information.

2. A transmitting device for transmitting information over a wireless interface in the form of a digitally encoded message, comprising:
 - means for providing a set of bits as a first piece of information to be transmitted
 - 15 - means for applying a certain baseband signal processing method to process the bits to be transmitted,
 - means for providing a second piece of information to be transmitted and
 - means for selecting the baseband signal processing method from a set of allowed baseband signal processing methods in accordance with the provided second piece
 - 20 of information.

3. A receiving device for receiving information over a wireless interface in the form of a digitally encoded message, comprising:
 - means for receiving a set of bits as the representative of a first piece of received
 - 25 information
 - means for applying a certain baseband signal processing method to process the set of bits,
 - means for selecting the baseband signal processing method from a set of allowed baseband signal processing methods so that applying it produces a first piece of
 - 30 received information which satisfies a certain criterion of acceptance and
 - means for providing a second piece of received information in the form of the identified baseband signal processing method.

4. A transmission system comprising:
 - 35 - a transmitting device and a receiving device,
 - in the transmitting device means for providing a set of bits as a first piece of information to be transmitted and means for applying a certain baseband signal processing method to process the bits to be transmitted,

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- further in the transmitting device means for providing a second piece of information to be transmitted and means for selecting the baseband signal processing method from a set of allowed baseband signal processing methods in accordance with the provided second piece of information,
- 5 - in the receiving device means for receiving a set of bits as the representative of a first piece of received information and means for applying a certain baseband signal processing method to process the set of bits, and
- further in the receiving device means for selecting the baseband signal processing method from a set of allowed baseband signal processing methods so that applying
- 10 it produces a first piece of received information which satisfies a certain criterion of acceptance and means for providing a second piece of received information in the form of the identified baseband signal processing method.

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